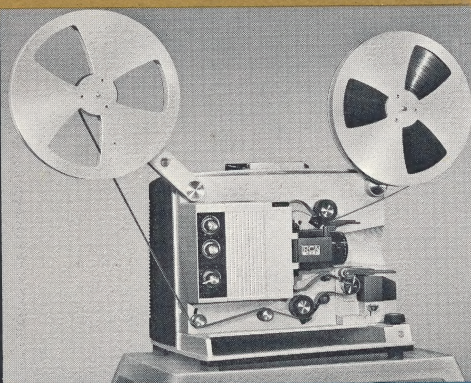
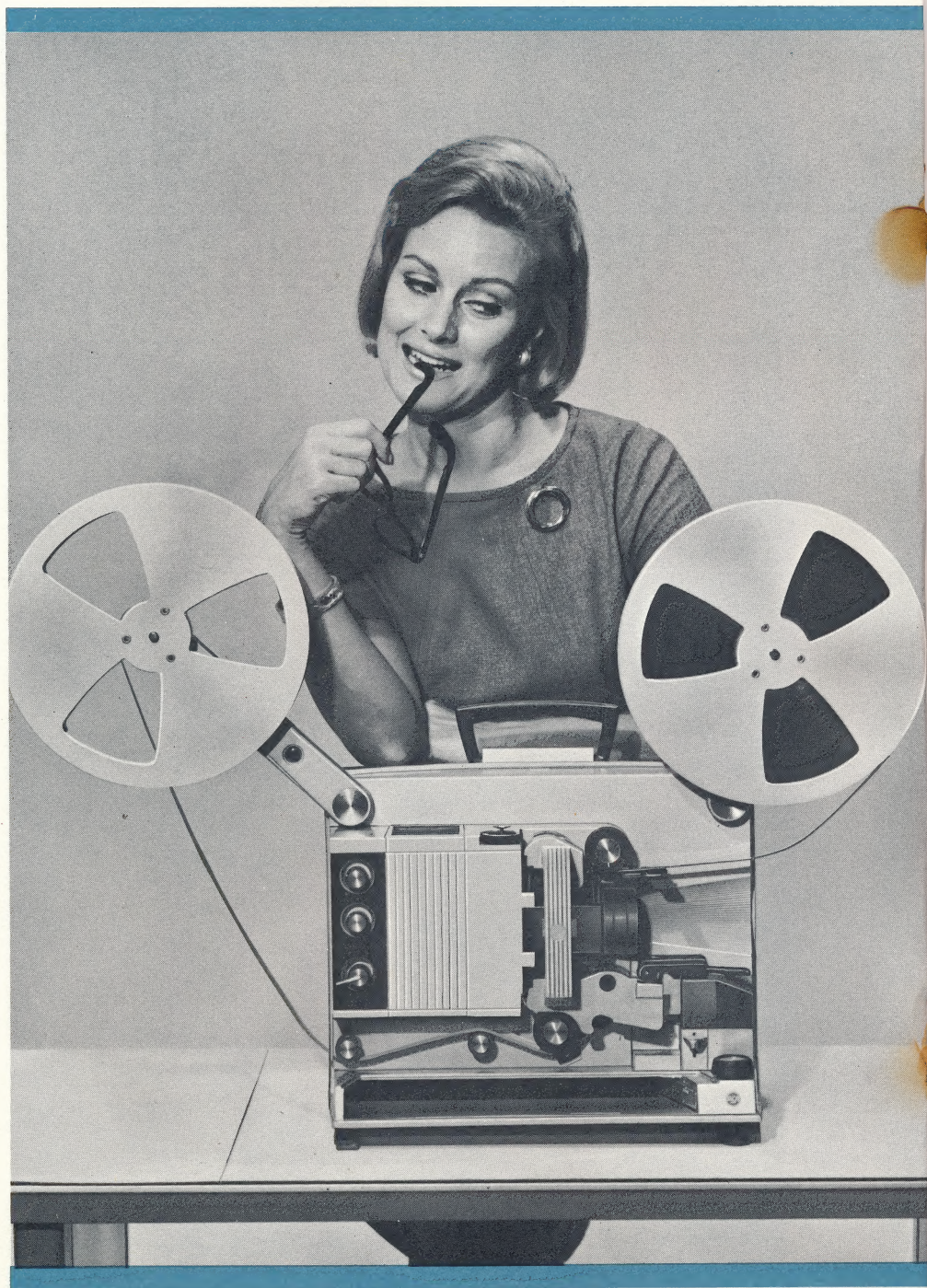


EVERYTHING
YOU'VE EVER
WANTED IN A
16mm PROJECTOR

RCA
1600





Everything you've ever wanted in a 16mm projector

Yes, everything . . . brilliant pictures, superb sound, simple operation, smooth, safe film handling, instant performance, good looks, light weight, ruggedness—even an automatic threader that never touches the film! (And if you've never **wanted** an automatic threader the 1600 provides for that as well, because its uniquely safe threader is uniquely optional, too.)

The fact is the 1600 is a totally new projector that's loaded with innovations (like the "Safe-Threader") which make film showing easier and more pleasurable than ever before. It can be effectively used for large audiences, economically used for small ones. Availability of optional accessories enables you to equip the 1600 to meet any viewing need. In addition it is easy and inexpensive to maintain, never requires oiling.

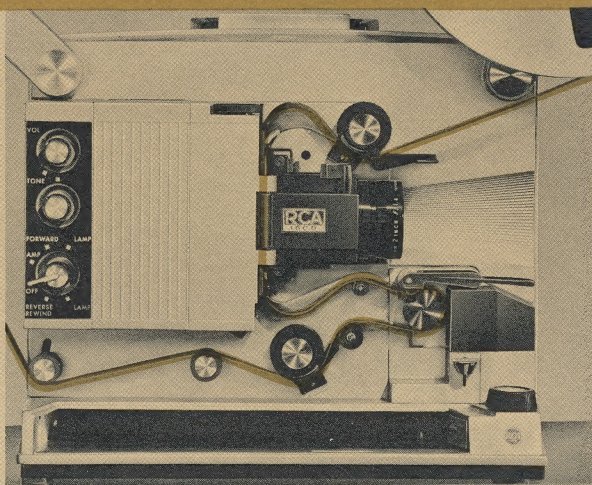
The **complete** projector? Try one soon and see the difference.

1600 design gives you a choice of manual or automatic threading in every model. The "Safe-Threader" is an optional accessory that can be purchased as original equipment or easily installed at a later time by your RCA Audio-Visual Distributor.

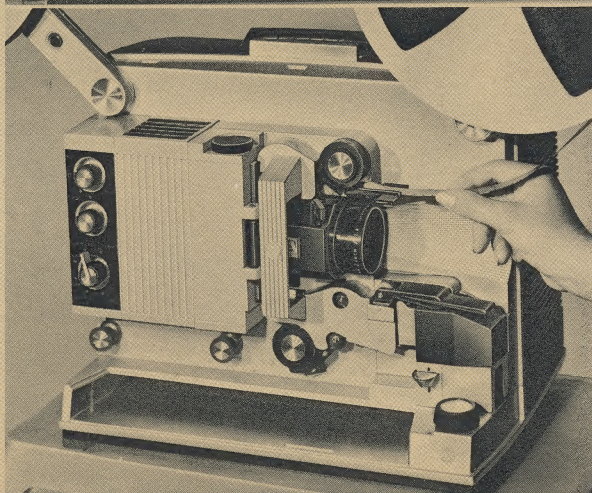


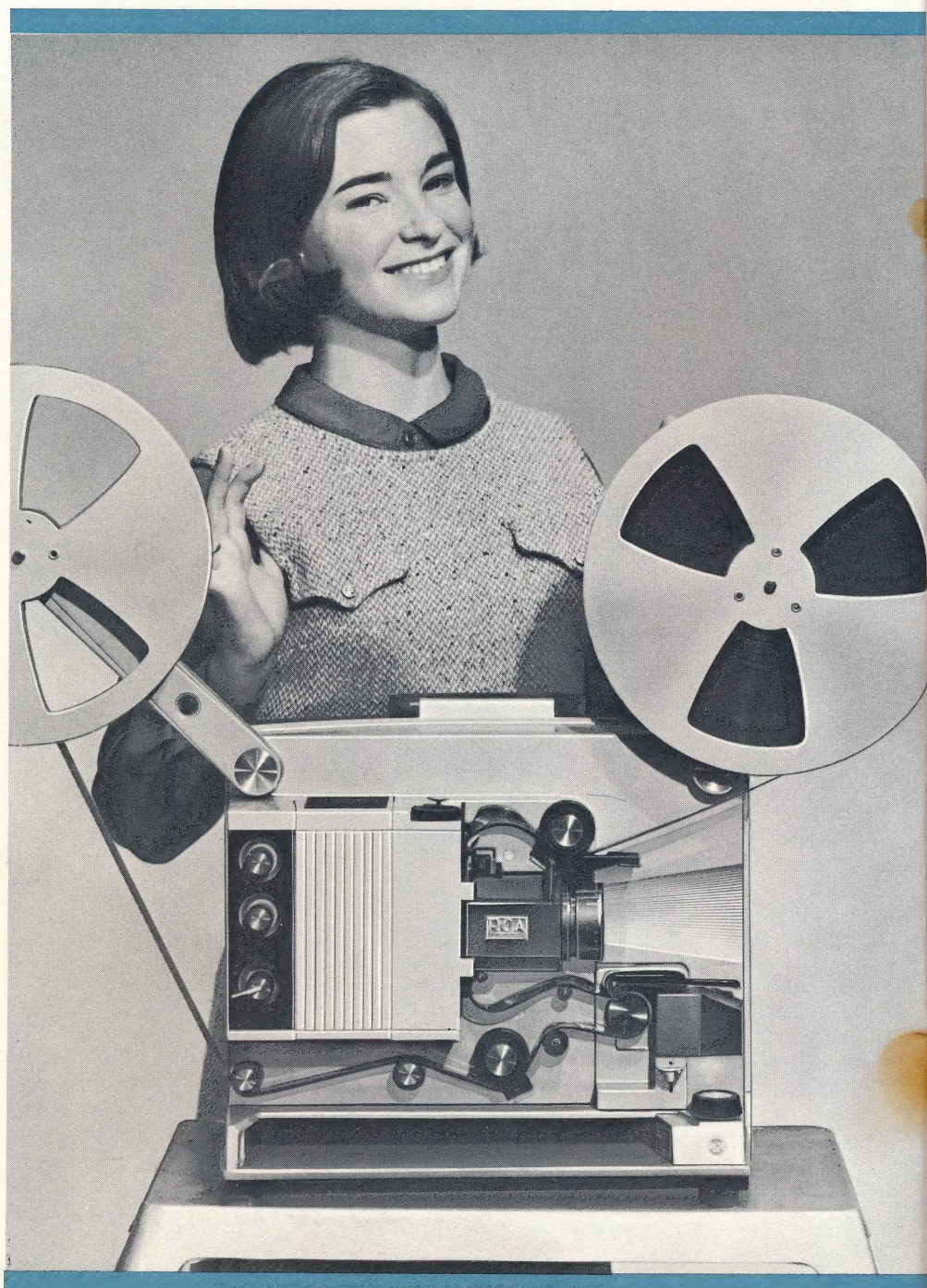
Your choice of manual or automatic threading

Manual threading for the 1600 is the easiest yet. A simple, uncluttered film path, large sprockets, floating sprocket shoes and a swing-open lens gate give you ample finger room to get the job done quickly and smoothly—even on your first attempt.



Automatic threading for the 1600 is the safest yet. RCA "Safe-Threader" whisks the film leader through the film path automatically, and then is disengaged so that it never touches the film. Using the "Safe-Threader" gives you the same control over the film as in a manually threaded machine. It's the only automatic threader that permits you to unthread and re-thread the film in seconds.





A sense of accomplishment

One of the nicest things about the 1600 is running it: You can't miss doing a good job, and the job you do is so good you can't help feeling a sense of accomplishment.

Take set-up as an example. Reel arms you can position and lock with one hand, ultra simple threading, a precise, easy handling focus control and reverse with automatic sound cut off enable you to get your show going with the speed and ease of a professional. Another professional feature is instant, fully stabilized sound at the flick of a switch. Rewind is also quick and smooth, and the 1600 even cuts down on the time needed to change a lamp through use of a new pop-up bulb.

All of these features make the 1600 a projector that is wonderfully simple to operate. We predict your staff will show its appreciation for this quality by showing more films than ever before.

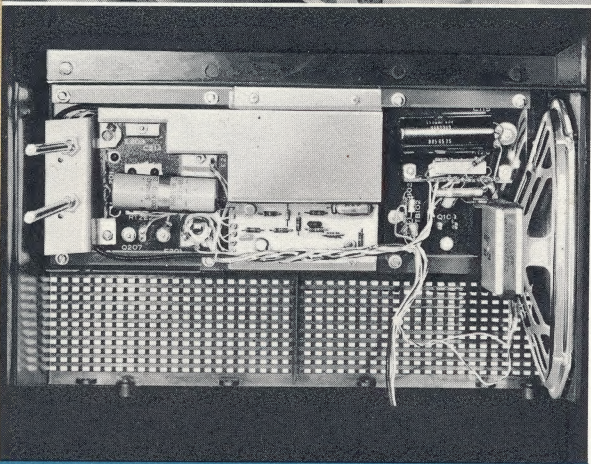
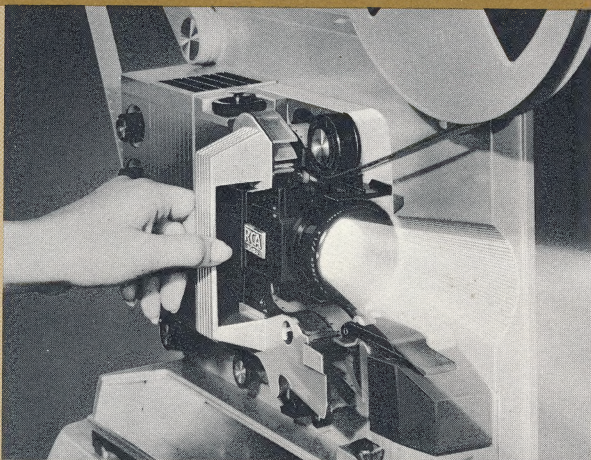


The proof is in the running

Are movies better than ever? They certainly **look** and **sound** that way when you run them on the RCA 1600. This projector's completely new optical system fills the screen with pictures of sparkling brilliance. Its sound system was specially designed to pick up and deliver every shading on your sound track with undeviating fidelity.

The 1600 provides optimum brightness for every screening situation. The wide barrelled lens mount will accommodate a variety of lenses including an F/1.4 and cinemascope type for auditorium shows. You can use a 750, 1000 or 1200 watt lamp. For maximum light on the screen a two bladed shutter is available.

Excellent sound quality is obtained through the 1600's optical sound system (a solar cell and exciter lamp), a 12 watt completely solid state amplifier, and a super sensitive 4"x8" speaker that is mounted right in the projector. The amplifier is exceptionally rugged and includes separate tone and volume controls. The case makes a perfect baffle for the speaker. This is the outstanding sound system in 16mm film, and you can even use it as a PA system through the addition of a microphone for which a jack has been supplied.



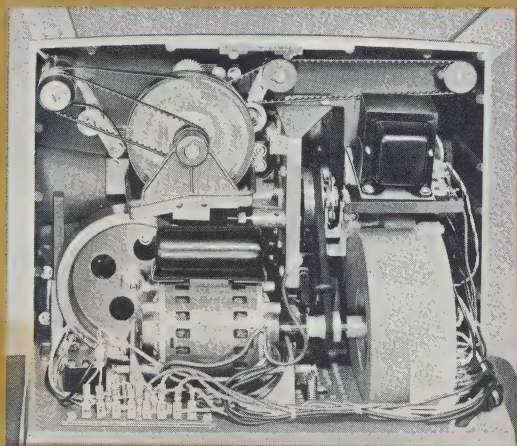


Lightweight and Rugged

The 1600 weighs only 30 lbs. The materials used to achieve this lightness are also exceptionally rugged. For example, the projector has a one piece magnesium frame to which all optical parts are directly attached. The case is made of RCA "Impac" a substance you can kick or jump on without harm — to the case. Glass epoxy circuit boards make the amplifier especially sturdy, and silicon transistors provide extra long-life performance. In addition, self lubricating parts have been used throughout so that the 1600 never requires oiling.

A way with film that's all its own

Thanks to a unique fluid clutch the 1600 carries your film—in forward, reverse or rewind—more smoothly than was ever possible before . . . and does so no matter what the size of your reel or the amount of film that's on it. You get extra film safety too from the oversize sprockets, floating sprocket shoes and "Stellite" claw. In fact every 1600 part that comes in contact with the film has been constructed to handle film with utmost care. The heat problem is solved by a large, **direct-drive** blower which keeps the projector cool as long as the motor is running.



1600 equipment features and specifications

Folding Reel Arms

Top mounted with positive snap reel locks and internal toothed belts.

1200' Foot Take-up Reel

Stored in base of projector.

Reverse

Single switch action with automatic sound cut-off.

Rewind

Simple 2 step operation. No belts or reels to change.

Stop-on-frame

Safely projects stop-action single frame pictures. (Available in 1600 XL model only.)

Projection Lamp

Features internal reflector. 1000 watt is standard equipment. Pops out for easy replacement.

Rack and Pinion Focus

Simple to operate control for precise focusing.

Floating Sprocket & Shoes

Ease open to simplify threading and assure safe film handling.

Lens

2" f/1.6 lens is standard equipment. Large barrel (JAN) mount will accommodate f/1.4 lens.

Solar Cell

Replaces photo cell for superior sound pick-up.

Exciter Lamp	New small filament lamp reduces light image for improved frequency response.
Solid State Amplifier	Stable, extra-reliable silicon transistors. 12 watts of power output. Security sealed printed circuits. Low impedance microphone input and external speaker input supplied.
Built-in Speaker	High efficiency 4"x8" speaker with heavy ceramic magnet.
Motor	Induction type, dynamically balanced 1/20 h.p. motor with high starting torque.
Direct Drive Blower	Significant safety feature. Blower continues to cool projector as long as motor is running.
Fluid Clutch	Silicon filled clutch provides smooth, constant take-up tension regardless of amount of film on reel.
Film Capacity	2200 feet.
Weight	30 lbs.
Safety	Amplifier contains isolation transformer and fused circuitry. Projector carries UL approval.

TWO MODELS AVAILABLE

Two models of this projector are available, the 1600 (MI-35051) and the 1600XL (MI-35052). The 1600XL features stop-on-frame and f/1.4 lens as standard equipment. In all other details it is identical to the 1600. A variety of optional accessories is also available for use with both models.

Optional Accessories

With the RCA 1600 you can buy an entire projection **system** to meet just about every 16mm projection need. All optional accessories can be purchased with the projector or any time thereafter. They are quite easy to install.

"Safe-Threader" (MI-35072)

The automatic threader that never touches the film.

Two-blade Shutter (MI-35063)

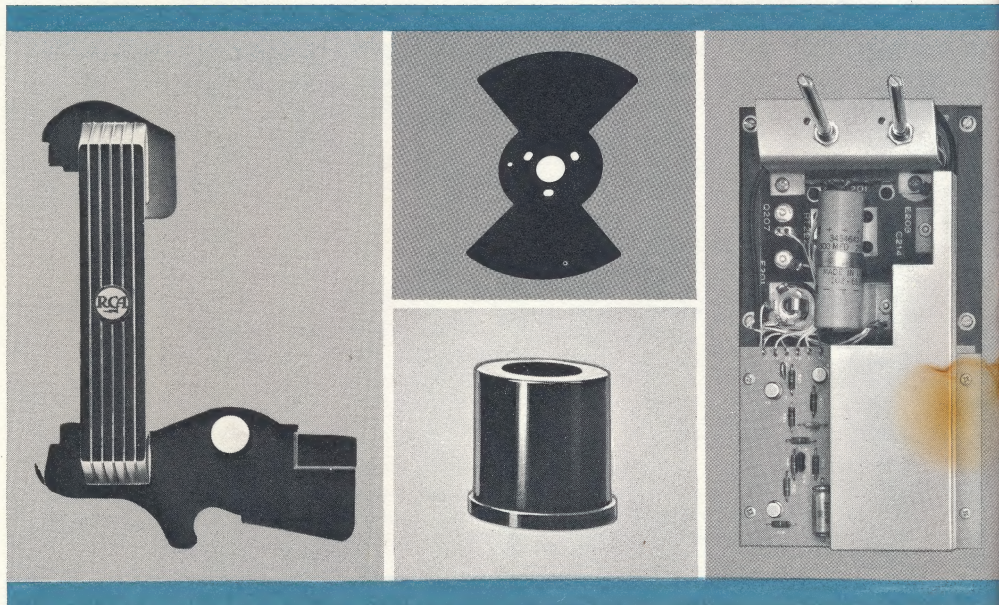
Provides 24% more light on screen than standard three-blade shutter.

Lens Adaptor (MI-35071)

For use in adapting small barrelled lenses to the 1600's JAN mount.

Transistor Amplifier

The finest amplifier in 16mm film sound is available as a spare to keep your A-V program going if service is needed on the original.



Lenses

A variety of focal length lenses including,

2½" f/1.6 4" f/1.6

3" f/1.6 2" f/1.4

Column Speakers

(MI-35082, 350083)

In Portable 3 and 6 speaker system units. Provides outstanding sound reproduction for auditorium shows.

Protective Cover for Projector

(MI-35061, 35062)

High quality marine grade slip cover with pocket. Also available in padded, travelling model with zipper pocket for film reel.

Take-up Reel

(MI-35084)

A handsome, 1200' reel is stored in the base of each projector you buy, and you can order others to assure preservation of that distinctive "1600" look.

"Light Guard"

(MI-35060)

Reduces initial power surge to increase projector lamp life by as much as 50%.

17 Foot Power Cord

(MI-35069)

Helpful timesaver for projectors used in several locations. Cord can be stowed at base of projector.

Air Filter

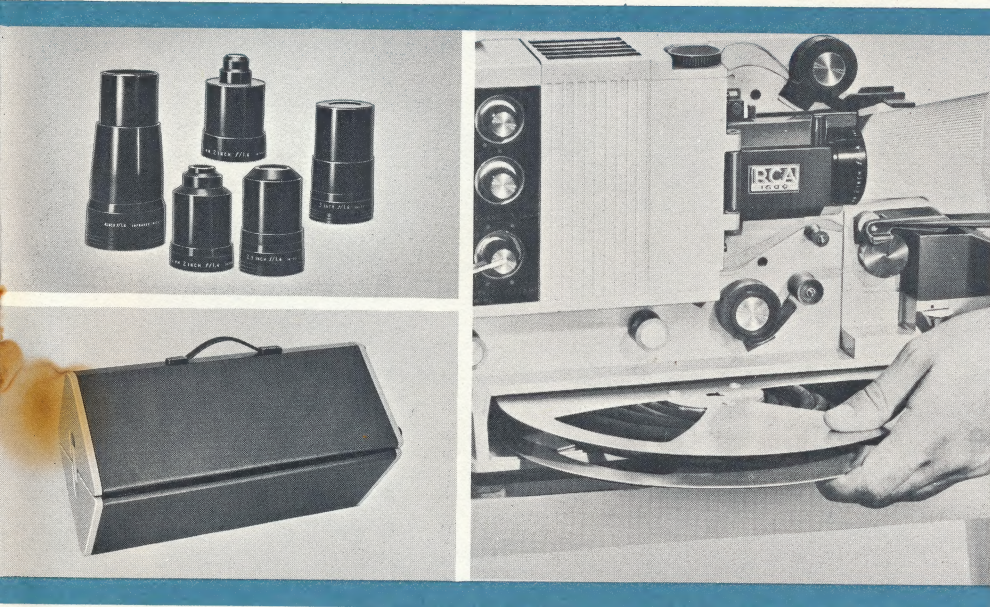
(MI-35074)

Effectively shields out dust to reduce maintenance and down-time. Filter is easy to remove, clean and replace.

Rear Screen Projection Cabinet

(ES-35090)

For effective rear screen projection. Mobile cabinet contains large screen, built in 12" speaker and storage space for the projector.



RCA
1600



THE MOST TRUSTED NAME IN ELECTRONICS